

SEQUENCE LISTING

<110> CHOO, YEN
ISALAN, MARK

<120> NUCLEIC ACID BINDING PROTEINS

<130> 71278/273884

OIP
APR 12 2002
TRADEMARKS
(346)
(345)
(344)

<140> 09/646,353
<141> 2000-09-17

<150> GB 9805576.7
<151> 1998-03-17

<150> GB 9806895.0
<151> 1998-03-31

<150> GB 9807246.5
<151> 1998-04-03

<160> 39

<170> PatentIn Ver. 2.1

<210> 1
<211> 26
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

012
<400> 1
Pro Tyr Lys Cys Pro Glu Cys Gly Lys Ser Phe Ser Gln Lys Ser Asp
1 5 10 15

Leu Val Lys His Gln Arg Thr His Thr Gly
20 25

<210> 2
<211> 29
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 2
Pro Tyr Lys Cys Ser Glu Cys Gly Lys Ala Phe Ser Gln Lys Ser Asn
1 5 10 15

Leu Thr Arg His Gln Arg Ile His Thr Gly Glu Lys Pro
20 25

<210> 3
<211> 5
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 3
Thr Gly Glu Lys Pro
1 5

<210> 4
<211> 9
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic oligonucleotide

<220>
<221> misc_feature
<222> (5)
<223> 5-METHYL CYTOSINE, THYMINE OR CYTOSINE

<400> 4
gcggnggcg
9

<210> 5
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Zinc Finger peptide

<400> 5
Arg Glu Asp Val Leu Ile Arg His Gly Lys
1 5 10

a12
<210> 6
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 6
Arg Ala Asp Ala Leu Met Val His Lys Arg
1 5 10

<210> 7
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 7
Arg Gly Pro Asp Leu Ala Arg His Gly Arg
1 5 10

<210> 8
<211> 10
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 8

Arg Ala Asp Ala Leu Met Val His Lys Arg
1 5 10

<210> 9

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 9

Arg Gly Pro Asp Leu Ala Arg His Gly Arg
1 5 10

<210> 10

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<400> 10

Arg Glu Asp Val Leu Ile Arg His Gly Lys
1 5 10

a12

<210> 11

<211> 60

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 11

ctcctgcagt tggacctgtg ccatggccgg ctgggccgca tagaatggaa caactaaagc
60

<210> 12

<211> 39

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic oligonucleotide

<220>

<221> misc_feature

<222> (8)..(11)

<223> GGMC or GMGC, WHERE M IS 5-METHYL CYTOSINE

<400> 12

tatagtgnnn nggcgtgtca cagtcagtc acacacgtc
39

~~a 12~~

```
<210> 13
<211> 9
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      oligonucleotide

<400> 13
ggccggcg
9

<210> 14
<211> 9
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      oligonucleotide

<400> 14
gcgcggcg
9

<210> 15
<211> 39
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      oligonucleotide

<400> 15
tatagtggm cggcgtgtca cagtcagtcc acacacgtc
39

<210> 16
<211> 39
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      oligonucleotide

<400> 16
tatagtggmg cggcgtgtca cagtcagtcc acacacgtc
39

<210> 17
<211> 39
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      oligonucleotide

<400> 17
```

tatagtgggy cggcgtgtca cagtcagtcc acacacgta
39

<210> 18

<211> 39

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 18

tatagtgggy cggcgtgtca cagtcagtcc acacacgta
39

<210> 19

<211> 39

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 19

tatagtgggt cggcgtgtca cagtcagtcc acacacgta
39

a12

<210> 20

<211> 7

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Zinc finger peptide

<400> 20

Arg Ser Asp Glu Leu Thr Arg
1 5

<210> 21

<211> 7

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Zinc finger peptide

<400> 21

Arg Ser Asp Glu Leu Thr Arg
1 5

<210> 22

<211> 7

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Zinc finger peptide

<400> 22
Arg Ser Asp Glu Leu Thr Arg
1 5

<210> 23

<211> 7

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Zinc finger peptide

<400> 23

Arg Ser Asp Glu Leu Thr Arg
1 5

<210> 24

<211> 7

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Zinc finger peptide

<400> 24

Arg Ser Asp Glu Leu Thr Arg
1 5

<210> 25

<211> 7

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Zinc finger peptide

<400> 25

Arg Ser Asp Asp Leu Ser Gln
1 5

<210> 26

<211> 7

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Zinc finger peptide

<400> 26

Arg Ser Asp Asp Leu Thr Arg
1 5

<210> 27

<211> 7

a12

<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Zinc finger peptide

<400> 27
Arg Ser Asp Asp Leu Thr Gly
1 5

<210> 28
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Zinc finger peptide

<400> 28
Arg Ser Asp His Leu Ser Ala
1 5

<210> 29
<211> 7
<212> PRT
<213> Artificial Sequence

a12
<220>
<223> Description of Artificial Sequence: Zinc finger peptide

<400> 29
Arg Ser Asp Asp Leu Ser Thr
1 5

<210> 30
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Zinc finger peptide

<400> 30
Arg Lys His His Arg Lys Glu
1 5

<210> 31
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Zinc finger peptide

<400> 31
Tyr Asp Gly Ala Arg Lys Arg
1 5

<210> 32
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Zinc finger peptide

<400> 32
His Asn Arg Asp Arg Lys Arg
1 5

<210> 33
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Zinc finger peptide

<400> 33
Thr Asn Ser Thr Arg Thr Lys
1 5

A12

<210> 34
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Zinc finger peptide

<400> 34
Arg Asn Asp His Arg Lys Thr
1 5

<210> 35
<211> 9
<212> DNA
<213> Artificial Sequence

<220> ~
<223> Description of Artificial Sequence: Synthetic oligonucleotide

<220>
<221> misc_feature
<222> (4)
<223> 5-METHYL CYTOSINE

<400> 35
gggnccggcg
9

<210> 36
<211> 9
<212> DNA

a12

```
<213> Artificial Sequence  
<220>  
<223> Description of Artificial Sequence: Synthetic oligonucleotide  
  
<400> 36  
gggccggcgcg  
9  
  
<210> 37  
<211> 9  
<212> DNA  
<213> Artificial Sequence  
  
<220>  
<223> Description of Artificial Sequence: Synthetic oligonucleotide  
  
<220>  
<221> misc_feature  
<222> (3)  
<223> 5-METHYL CYTOSINE  
  
<400> 37  
ggngcggcgcg  
9  
  
<210> 38  
<211> 9  
<212> DNA  
<213> Artificial Sequence  
  
<220>  
<223> Description of Artificial Sequence: Synthetic oligonucleotide  
  
<400> 38  
ggcgcgccgcg  
9  
  
<210> 39  
<211> 6  
<212> PRT  
<213> Artificial Sequence  
  
<220>  
<223> Description of Artificial Sequence: Synthetic peptide  
  
<400> 39  
Met Ala Glu Glu Lys Pro  
1 5  
  
<210> 40  
<211> 19  
<212> PRT  
<213> Artificial Sequence  
  
<220>  
<223> Description of Artificial Sequence: Synthetic zinc finger peptide  
  
<400> 40  
Xaa Cys Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Phe Xaa Xaa Xaa Xaa
```

sub
B
Zone

-10 -5 -1 1

Xaa Leu Xaa Xaa His Xaa Xaa Xaa His

5

10

g12
Zone